AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (currently amended) A stent coating apparatus system, comprising:
 - a solvent pump that pumps a solvent from contained in a solvent reservoir;
 - a polymer pump that pumps a polymer from contained in a polymer reservoir;
 - an atomizer that atomizes the solvent and polymer; and
 - a nozzle assembly having
- a polymer feed conduit, in fluid communication with the polymer reservoir, that dispenses the polymer,
- a solvent feed conduit, in fluid communication with the solvent reservoir, that is not in fluid communication with the polymer feed conduit and dispenses the solvent, wherein the solvent mixes with the polymer only after the polymer and solvent are dispensed out from the nozzle assembly, and
- an atomizing air conduit, in communication with the atomizer, that is not in fluid communication with the polymer feed conduit and the solvent feed conduit and that uses atomizer air from the atomizer to atomize the solvent and polymer that are dispensed out from the nozzle assembly.

wherein the polymer reservoir holds a polymer and drug mixture.

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2. (currently amended) The apparatus system of claim 1, further comprising a stent mandrel

fixture capable of securely supporting a stent during a coating process.

3. (currently amended) The apparatus system of claim 2, wherein the stent mandrel fixture

is further capable of rotating or translating the stent during a coating process.

4. (currently amended) The apparatus system of claim 1, wherein the nozzle assembly

enables external atomization of the solvent and polymer.

(currently amended) A stent coating apparatus system, comprising:

a solvent pump that pumps a solvent from contained in a solvent reservoir;

a polymer pump that pumps a polymer from contained in a polymer reservoir;

an atomizer that atomizes the solvent and polymer; and

a nozzle assembly having

a polymer feed conduit, in fluid communication with the polymer reservoir, that

dispenses the polymer,

a solvent feed conduit, in fluid communication with the solvent reservoir, that is

not in fluid communication with the polymer feed conduit and dispenses the solvent, $\underline{\text{wherein}}$ the

solvent mixes with the polymer when only after the polymer and solvent are dispensed out from

the nozzle assembly, and

an atomizing air conduit, in communication with the atomizer, that is not in fluid

communication with the polymer feed conduit and the solvent feed conduit and that uses

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atomizer air from the atomizer to atomize the solvent and polymer that are dispensed out from

the nozzle assembly, wherein the polymer feed conduit is positioned within the solvent feed

conduit such that the solvent feed conduit circumscribes the polymer feed conduit, and wherein

the polymer reservoir holds a polymer and drug mixture.

(canceled)

7. (currently amended) The apparatus of claim 6 system of claim 1, wherein the solvent of

the solvent reservoir is a better solvent for the polymer than for the drug.

8. (currently amended) The apparatus system of claim 1, wherein an outlet section of the

atomizing air conduit is angled relative to the polymer and solvent feed conduits.

9. (currently amended) The apparatus system of claim 1, wherein the solvent or polymer

feed conduit extends out from the atomizing air conduit.

10. (currently amended) The apparatus system of claim 1, wherein the polymer feed conduit

is recessed with respect to the solvent feed conduit.

11. (withdrawn) A nozzle assembly to dispense a solvent and polymer onto a stent,

comprising:

a first tube to deliver a polymer composition to a stent;

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a second tube disposed over the first tube to dispose a solvent completely or significantly

free from drugs or polymer, such that the solvent is adapted to blend or mix with the composition

when the composition and the solvent are discharged out from the nozzle; and

a third tube disposed over the second tube to atomize by air the composition and solvent

that is applied to the stent.

12. (withdrawn) The nozzle assembly of claim 11, wherein the nozzle assembly enables

external atomization and mixing of the solvent and polymer.

13. (withdrawn) The nozzle assembly of claim 11, wherein the polymer composition includes

a drug.

(withdrawn) The nozzle assembly of claim 11, wherein an end of the third tube is bent

towards the second tube.

15. (withdrawn) The nozzle assembly of claim 11, wherein the first or second tube protrudes

out from the third tube.

(withdrawn) The nozzle assembly of claim 11, wherein the first tube is recessed within

the second tube.

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17. (withdrawn) The nozzle assembly of claim 11, wherein the tubes are made of or coated

with a non-stick material.

18. (withdrawn) The nozzle assembly of claim 11, wherein the tubes have arcuate ends.

19. (withdrawn) A method of coating a stent, comprising:

positioning a nozzle assembly having a first tube to deliver a polymer composition to a

stent, a second tube disposed over the first tube to dispose a solvent free from drugs or polymer,

and a third tube disposed over the second tube to atomize by air the composition and solvent that

is applied to the stent.;

discharging the polymer composition and the solvent from the nozzle assembly onto a

stent so that the dispensed polymer composition and solvent mix when exiting the nozzle

assembly; and

atomizing the solvent and polymer composition into droplets as the solvent and polymer

composition are discharged out from the nozzle assembly by expelling air from the third tube in

the nozzle assembly.

20. (withdrawn) The method of claim 19, wherein the solvent and polymer composition are

discharged at different rates.

(currently amended) A stent coating apparatus system, comprising:

a solvent contained in a solvent reservoir;

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a polymer contained in a polymer reservoir; and

a nozzle assembly having

a polymer feed conduit that dispenses the polymer contained in the polymer

reservoir,

a solvent feed conduit that dispenses the solvent contained in the solvent

reservoir, wherein the solvent and polymer mix[[es]] only after the polymer and solvent have

been dispensed out from the nozzle assembly, and

an atomizing air conduit that dispenses air to atomize the solvent and polymer

only outside of the nozzle assembly after the solvent and polymer have been dispensed out from

the nozzle assembly.

(canceled)

23. (currently amended) The apparatus of claim 22 system of claim 21, wherein the polymer

feed conduit is positioned within the solvent feed conduit such that the solvent feed conduit

circumscribes the polymer feed conduit.

24. (currently amended) The apparatus of claim 22 system of claim 21, wherein the solvent

or polymer feed conduit extends out from the atomizing air conduit.

(currently amended) The apparatus of claim 22 system of claim 21, wherein the polymer

feed conduit is recessed with respect to the solvent feed conduit.

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